Fast,Secure
Open-Source

Telegram

NEWS
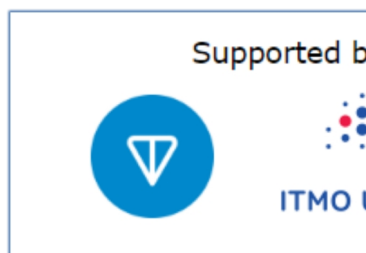
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Telegram Introduction

- Founder: **Povel Durov**
  - history
  - logo
  - codeforces

- Income of Telegram

Telegram – Open Source

- **Front or back?**
  - + secret chat
  - + matrix protocol, decentralized ?
  - + privacy tools (sessions, element)
- **Issuehunt.io**
- **Advantage**
- **Disadvantage**

Telegram APIs
</for developers>

API?

❖ APIs { .i Bot API
.ii Telegram API(TDLib)

1. Bot API: program easily that use Telegram message for an interface

Full-API: https://core.telegram.org/bots/api

2. Telegram API : build your own customized Telegram clients

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Telegram APIs
</for developers>

! limitations = {
    FloodWaitError,
    Auth Key Duplicate,
    RCPError,
}

```python
...
from telethon import errors

try:
    messages = await client.get_messages(chat)
    print(messages[0].text)
except errors.FloodWaitError as e:
    print('Have to sleep', e.seconds, 'seconds')
    time.sleep(e.seconds)
  return go(f, seed, [])
```

.session file

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Telegr... ...ot API

.i   What can I do

.ii How bot v...

  + get up...

  ? what is

  + webho...

  + differe...

.iii Bot Perks

  + inline mode **+** ...rm

  -- Keyboard **+** In... ...ds

Telegram APIs – Bot API

.iv How to Create Bot

    1. Bot Father

    2. Languages & Frameworks:

        - **Java**

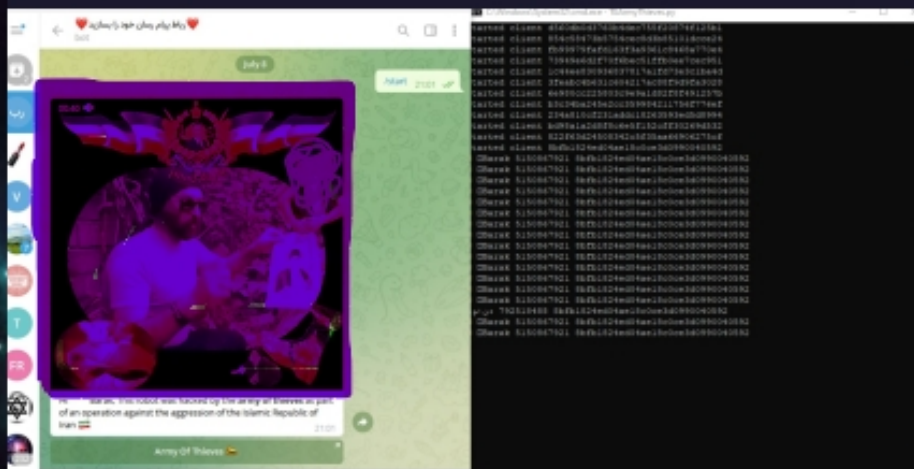   - **Python:** python telegram bot, telethon, pygram

        - **PHP**

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<How ... d?>

◆Criterion:

- token

- api hash & id

- GitHub, srevers

- database reque

- error handling

◆Why I was h

- CE FUM bot: (w

- FUM Game bot

Army of Thieves

Telegram Bots in Iran under a cyber attack this is just a taste of the next thing we are working 🌴

@Payam_resan_adviser_bot
@konkoor_countdown_bot
@Moshaverekarbordibot
@Berimbasketprofilebot
@hasan_shop22222bot
@FUMEscapeRoombot
@translator_0021_bot
@Monshi_chanellbot
@Dyar_azghand_bot
@parking_pegahbot
@ooloomgharibebot
@ShayanAhmadiBot
@antiapamhosi_bot
@Sajjad_m7981bot

Telegram APIs – Bot API

<How to write code to be hacked?> - examples

```python
bot_token = '587324838:AAHb0by5jhgJ8uyBnabk'
api_id = 123456
api_hash = '3c3374c248c7e0e12e70f20321b'
bot = TelegramClient('bot', api_id, api_hash)
```

```python
bot_token = os.environ["TOKENBOT"]
api_id = os.environ["0939***5204_apiID"]
api_hash = os.environ["0939***5204_apiHASH"]
bot = TelegramClient('bot', api_id, api_hash)
```

```yaml
kind: ExternalService
name: ssafum-bot
spec:
  image: ssafum-bot:v1.4
  image_pull_policy: Always
  replicas: 1
  command:
    - python
    - ssafumadmin.py
  command_args:
    - +989****6761
  env:
    - name: *apiID
      value: ${*apiID}
    - name: *apiHASH
      value: ${*apiHASH}
######### Fandogh CLI #########
```

Telegram APIs Example

i. Escape Room (Bot):

   - team registration

   - payment

   - tip :)

ii. Admin Manager (Client)

   - work by commands

   - dockerize

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Telegram Contests

contest.com

Lets check!

Telegram Back-end

☞Open source?

☞Encryption

☞contest

So, do you need more privacy?

Matrix Protocol